

Noble BlackHornet



General description

The Noble Black Hornet is a robust dual activity drill ship designed for reliable drilling and well abandonment operations in deepwater and ultra-deepwater depths. Its integrated hull design supports efficient well construction, intervention, and decommissioning activities with a minimal environmental footprint. The Noble Black Hornet has a proven track record of reducing well construction time by a relentless focus on efficiency. It is outfitted with a dual BOP system, deep water heave compensated crane, dual mud systems and an integrated MPD system.

General specification

Design	Gusto P10000
Year built/upgraded	2014
Year entered service	2014
Builder	HHI
Flag	Marshall Islands
Classification	ABS, Drillship, © , A1, AMS, ABS MPD, ACCU, DPS-3, CPS, CRC, GP, HELIDK(SRF), PMP, PMP-CBM, SFA(25), SH-DLA, UWILD
MODU Code	2009
Overall Length	757 ft
Draft	37 ft
Depth	60 ft
Displacement	73,139 t
Variable deck load	22,000 t
Transit speed	12 knots
Water depth	12,000 ft
Drilling depth	40,000 ft
Accommodation	210
Hook load	2.5MM lbs (main), 1.5MM lbs (aux)
Moonpool	73 ft x 32 ft (effective), 115 ft x 32 ft (main deck)

Applications

NORMS

Real Time Monitoring

Ops Performance Tool

On The Go

These specifications are intended for general reference purposes only. Actual equipment may vary upon the contract situation and customer needs.

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Storage capacity

Liquid mud	15,004 bbls
Base oil	7,212 bbls
Brine	13,175 bbls
Bulk cement	15,891 cuft
Bulk bentonite	7,981 cuft
Bulk barite	7,981 cuft
Sacks	6,000
Fuel	47,425 bbls
Drill water	18,596 bbls
Potable water	8,834 bbls

Drilling equipment

Derrick	NOV DDBN; 80 ft x 60 ft x 210 ft; 1,250 st main & 750 st aux
Drawworks	1 x NOV AHD-1250 rated for 2,500 kips (main) 1 x NOV AHD-750 rated for 1,500 kips (aux)
Motion Compensator	AHC (main, aux), PHC (main)
Rotary Table	1 x NOV RST 75 1/2" hydraulic (main) 1 x NOV RST 60 1/2" hydraulic (aux)
Top Drive	1 x NOV TDX-1250 (main) 1 x NOV TDS-8S (aux)
Tubular Handling	2 x NOV Hydraracker IV-ER
Fingerboard capacity	375 Stds 6 5/8" DP, 20 Stds 6 5/8" HWDP, 44 Stds BHA, 77 Stds CSG
Mud Pumps	5 x NOV 14-P-220, 2,200hp, 7,500 psi
Solids Control System	6 x NOV VSM
Iron Roughneck	2 x NOV MPT 270

Sub sea equipment

Diverter	1x Vetco CSO 21-1/4" 500 psi diverter with 1 x 20" flow line + 2 x 16" overboard diverter lines
Dual BOP	Yes
BOP stack	2 x Hydril 18 3/4" 15,000 psi seven-ram preventer,
LMRP	2 x Hydril 18 3/4" 10,000 psi annular preventers
C&K manifold	15,000 psi
Marine riser	Vetco HMF Class H 21", 75 ft long per joint, 10,000 ft, below deck storage
Tensioners	16 x 225 kips NOV wireline riser tensioners. Capacity 3,600 kips with 50 t of wire travel
XT Carts	1 x 120 t NOV Xmas Tree Trolley

Noble BlackHornet



Noble BlackHornet Rig Crew

Power generation

Closed Bus	Linear Closed Bus
Main power	6 x 4,500 kW, Himsen at 720 rpm 2 x 9,000 kW, Himsen at 720 rpm
Electrical power	6 x 5,375 kVA, 11kV, generators 2 x 10,875 kVA, 11kV, generators
Emergency power	1 x 1,900 kW STX, 1,500 kW, 440V, generator

Cranes

Main cranes	2 x 85 t electro-hydraulic knuckle-boom cranes 1 x 100 t electro-hydraulic knuckle-boom cranes
Subsea cranes	1 x 165 t AHC knuckle-boom, subsea capable
X-Mas Tree / BOP	2 x 240 t NOV BOP Gantry Crane
Other	N/A

Other Systems

MPD	2 x 6" and 2 x 3" Chokes, fixed Installation, Safekick with AFG IRJ
Burner booms	N/A
Dual Well Centers	Yes
Automation	Cyberbase, MMC, NOVOS
Red Zone Management	Helin Red Zone Management
On the Go	Yes
H56 Enabled	No
Data Infrastructure	Real time data collection
Other	N/A

Real Time Data Provision

Drilling	VMS	BOP	MPD	NOVOS

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Unique Capabilities and Enhancements

Drilling Efficiency	Two arm drilling connection on main side
Technology	The vessel is equipped with advanced automation, real-time data systems, MPD, and Red Zone Management capabilities,
Energy Efficiency	Its unique combination of different engine sizes allows more efficient engine usage utilizing a linear closed bus system

Station keeping / Propulsion system

Mooring system	N/A
Mooring winches	N/A
Thrusters	6 x 5,000 kW, Thrustmaster, azimuth thrusters with fixed pitch variable speed propellers
DP system	Kongsberg SDP-22 System for DPS-3 Operations
Position reference systems	2 x HPR / 4 x DGPS

